



## Success Story

### Fortifying Banking Frontlines with Improved Network and Security

How a global bank achieves 100% CIS compliant network and device ecosystem in just 12 weeks



One of the three largest banking groups in Japan with significant global presence including the Americas offering a range of commercial and investment banking services to corporate, institutional, and municipal clients.

## Challenges

The client had over 150 devices in one region, including firewalls, switches, and routers, that needed hardening to comply with CIS benchmarks on the recommendations of their Audit Committee. Their challenges included:

- Inadequate insight on CIS benchmark compliance-readiness
- Urgency in securing devices from potential threats
- Extensive resource usage to assess and remediate 150 devices

## Delivered

Xoriant understood the client's requirements and proposed an effective solution that included automating the assessment and remediation of devices using scripts.

- Assisted**  
Automation of the remediation process and developed scripts using XML, Python, and APIs
- Designed**  
Scripts to assess and remediate the device's configurations to ensure compliance with CIS benchmarks
- Analyzed**  
150 network and security devices in just 8 weeks to determine device compliance level
- Established**  
A process for the client to use the scripts for their regular operations
- Enhanced**  
Overall security posture and protection for client's extensive network of devices

## Business Value

- Elevated**  
Compliance levels from 40-60% to required 93-97%
- Slashed**  
Processing time from weeks to minutes, boosting accuracy
- Achieved**  
100% compliance with CIS benchmarks and other frameworks like ISO27K, NIST, PCI

## Technology Stack

XML, Python, Ansible Tower, GNS3 Simulator, Cisco Devnet, Palo Alto Panorama

Xoriant provides advanced technology solutions and software development services for global banks, software product companies and F500 market leaders. Based in the U.S. with 17 global offices and 5000+ engineering professionals, Xoriant demonstrates exceptional experience in banking and finance infrastructure modernization and cloud migration. We deliver expert digital engineering, as well as offsite and offshore services, across high tech, healthcare, pharma, industrial manufacturing, telecom, and automotive sectors. Customers credit technological innovation and delivery excellence for our shared success over three decades.

